



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Sandeep Bahl et al.

Serial No.: 10/817,514

Examiner:

Filing Date: April 2, 2004

Group Art Unit: 2811

Title: GALLIUM ARSENIDE ANTIMONIDE (GaAsSb)/INDIUM PHOSPHIDE (InP)
HETEROJUNCTION BIPOLAR TRANSISTOR (HBT) HAVING REDUCED TUNNELING
PROBABILITY

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- () under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97(c) together with *either* a:
 - (X) Statement under 37 CFR 1.97(e), or
 - () a \$180.00 Processing fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97 (d) together with a:
 - () Statement under 37 CFR 1.97(e), *and*
 - () a \$180.00 processing fee under 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) FEE AUTHORIZATION

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

(X) STATEMENT UNDER 37 CFR 1.97(e)

The undersigned certifies that:

- (X) Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, *or*
- () No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

() PRIOR APPLICATIONS

References identified with an asterisk (*) in the enclosed PTO Form 1449, were disclosed in prior Patent Application No. _____, filed _____, now U.S. Patent No. _____, and, as such copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

() FOREIGN LANGUAGE DOCUMENTS

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as:

☒ First Class Mail

☐ "Express Mail Post Office to Addressee" service under 37 CFR 1.10

Express Mail Label No.

Date of Deposit: **April 20, 2005**

In an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

OR

☐ I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Date of Facsimile:

Typed Name: **Linda A. Iimura**

Signature: _____

Respectfully submitted,

Sandeep Bahl et al.

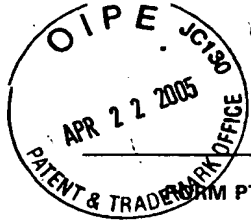
By

Juergen Krause-Polstorff

Attorney/Agent for Applicant(s)
Reg. No. **41,127**

Date: April 20, 2005

Telephone No.: **(650) 485-4127**

**PATENT APPLICATION**

Sheet 1 of 1

FORM PTO-1449

ATTY. DOCKET NO.

10040093-1

SERIAL NO.

10/817,514**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT**

APPLICANT

Sandeep Bahl et al.

FILING DATE

April 2, 2004

GROUP

2811

(Use several sheets if necessary)

REFERENCE DESIGNATION**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
		2002/0070390	06/13/2002	David H. Chow
		2002/0088993	07/11/2002	Twynam et al.
		6,670,653	12/30/2003	Micovic et al.
		4,670,767	06/02/1987	Kuniichi Ohta

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO
		2004207583	07/22/2004	Japan		
		05326546	12/10/2003	Japan		
		05304165	11/16/1993	Japan		
		0 313 749	08/18/1988	Europe		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)